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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,025	08/22/2003	Kuo-cheng Lin	JLNP165	9251
25920	7590	10/01/2004	EXAMINER	
MARTINE & PENILLA, LLP 710 LAKEWAY DRIVE SUITE 170 SUNNYVALE, CA 94085			MCALEENAN, JAMES M	
			ART UNIT	PAPER NUMBER
			3745	

DATE MAILED: 10/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/646,025

Applicant(s)

LIN ET AL.

Examiner

James M McAleenan

Art Unit

3745

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12/22/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Fukuda et al. (U.S. Patent Number 6,394,768) (see Figures 1 and 5b and Col. 5, lines 4-44). Fukuda et al. discloses a rotor assembly having a housing with an open end and a closed end, wherein the closed end of the housing is formed with a raised portion in its central location (see Figures 1 and 5b and Col. 5, lines 4-10). Fukuda et al. discloses a hub mounting on the closed end of the housing and covering the housing except for the raised portion (see Figures 1 and 5b and Col. 5, lines 4-15). Regarding claim 2, Fukuda et al. discloses a height of the raised portion being substantially the same as a thickness of the hub positioned on the closed end of the housing (see Figures 1 and 5b and Col. 5, lines 4-20). Regarding claim 3, Fukuda et al. discloses the housing cup shaped (see Figures 1 and 5b and Col. 5, lines 4-10). Regarding claim 4, Fukuda et al. discloses the raised portion being cup shaped (see Figures 1 and 5b and Col. 5, lines 4-10). Regarding claim 5, Fukuda et al. discloses the hub being ring shaped and has an opening (see Figures 1 and 5b and Col. 5, lines 4-20). Regarding claim 6, Fukuda et al. discloses the housing being formed with a plurality of openings in the raised portion (see Figures 1 and 5b and Col. 5, lines 4-25). Regarding claim 7, Fukuda et al. discloses the formation of the raised portion

Art Unit: 3745

creates a stepped closed end constituted by a top portion, a shoulder and a periphery portion (see Figures 1 and 5b and Col. 5, lines 4-30). Regarding claim 8, Fukuda et al. discloses the hub being fixed on the periphery portion of the housing by way of adhesion. Regarding claim 9, Fukuda et al. discloses the hub being fixed on the periphery portion of the housing through a fastener. Regarding claim 10, Fukuda et al. discloses the fastener being a clasp. Regarding claim 11, Fukuda et al. discloses the hub and the fastener being integrally formed by injection molding. Regarding claim 12, Fukuda et al. discloses the housing being made of metal. Regarding claim 13, Fukuda et al. discloses a rotor assembly including a cup shaped housing having an open and closed end, wherein the closed end of the housing is formed with a raised portion in its central location (see Figures 1 and 5b and Col. 5, lines 4-15). Fukuda et al. discloses the formation of the raised portion creates a stepped closed end including a top portion, a shoulder and a periphery portion (see Figures 1 and 5b and Col. 5, lines 4-10). Fukuda et al. discloses a hub having a position section and an extended section, wherein the hub mounting on the cup shaped housing through the position section covers the periphery portion of the stepped closed end (see Figures 1 and 5b and Col. 5, lines 4-30). Regarding claim 14, Fukuda et al. discloses a distance between the top portion and the periphery portion being substantially the same as a thickness of the position section of the hub. Regarding claim 15, Fukuda et al. discloses the housing being formed with a plurality of openings in the raised portion (see Figures 1 and 5b and Col. 5, lines 4-25). Regarding claim 16, Fukuda et al. discloses the hub being fixed on the periphery portion of the housing by way of adhesion. Regarding claim 17, Fukuda et al. discloses the hub being fixed on the periphery portion of the housing through a fastener. Regarding claim 18, Fukuda et al. discloses the fastener being a clasp. Regarding

claim 19, Fukuda et al. discloses the hub and the fastener being integrally formed by injection molding. Regarding claim 20, Fukuda et al. discloses the housing being made of metal. Regarding claim 21, Fukuda et al. discloses the hub being ring shaped and having an opening and an inclined leading edge for smoothly guiding an airflow passing through the rotor assembly (see Figures 1 and 5b and Col. 5, lines 4-44).

PRIOR ART

The prior art made of record but not relied upon is considered pertinent to applicant's disclosure and consists of 6 patents.

Tang et al. (U.S. Patent Number 6,416,300) is cited to show similar hub and housing features as claimed by Applicant's invention.

Hsieh (U.S. Patent Number 6,183,221) is cited to show similar hub and housing features as claimed by Applicant's invention.

Konno (U.S. Patent Number 6,379,126) is cited to show similar hub and housing features as claimed by Applicant's invention.

Avidano et al. (U.S. Patent Number 6,384,494) is cited to show similar hub and housing features as claimed by Applicant's invention.

Hsieh (U.S. Patent Number 6,318,976) is cited to show similar hub and housing features as claimed by Applicant's invention.

Hornig (U.S. Patent Number 6,132,170) is cited to show similar hub and housing features as claimed by Applicant's invention.

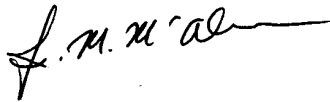
Art Unit: 3745

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James M McAleenan whose telephone number is 703-308-2827. The examiner can normally be reached on M-F 8:30-4:30 PM.

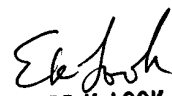
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on 703-308-1044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



9/27/04

James M. McAleenan
Patent Examiner
703-308-2827



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9/30/04